

10/17/03
17698 U.S. PTO

UTILITY APPLICATION

Attorney Docket No.: NIH218.001C1

First Named Inventor: XIN-XING GU

Title: INTRANASAL IMMUNIZATION WITH DETOXIFIED
LIPOOLIGOSACCHARIDE FROM NONTYPEABLE
HAEMOPHILUS INFLUENZAE OR MORAXELLA
CATARRHALIS

Express Mail Label No.: EV 309082535 US

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Date: October 17, 2003

Page 1 of 2

17858 U.S. PTO
10/688115

10/17/03

Mail Stop Patent Application

United States Patent and Trademark Office

PO Box 1450

Alexandria, VA 22313-1450

The following enclosures are transmitted herewith to be filed in the patent application of:

Inventor(s):

1. Xin-Xing Gu

APPLICATION ELEMENTS:

(X) Specification in 41 pages.

(X) Drawings in 19 sheets.

CONTINUITY INFORMATION:

| Application | Relationship | Parent App. No. | Filing Date | Status |
|------------------|----------------------|-----------------|-------------|---------|
| This Application | Continuation | PCT/US01/32331 | 10/16/01 | Pending |
| PCT/US01/32331 | Benefit of Priority | 60/288,695 | 5/3/01 | Expired |
| PCT/US01/32331 | Continuation-in-Part | 09/789,017 | 2/20/01 | Issued |
| 09/789,017 | Divisional | 08/842,409 | 4/23/97 | Issued |
| 08/842,409 | Benefit of Priority | 60/016,020 | 4/23/96 | Expired |
| PCT/US01/32331 | Continuation-in-Part | 09/610,034 | 7/5/00 | Pending |
| 09/610,034 | Continuation | PCT/US99/00590 | 1/12/99 | Pending |
| PCT/US99/00590 | Benefit of Priority | 60/071,483 | 1/13/98 | Expired |

(X) Incorporation by Reference. The entire disclosure of the prior application(s) is considered a part of the disclosure of the accompanying application and is hereby incorporated by reference therein.

OTHER APPLICATION PARTS:

(X) Return prepaid postcard.

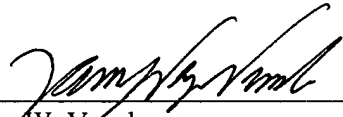
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| UTILITY APPLICATION | Attorney Docket No.: NIH218.001C1 |
| | First Named Inventor: XIN-XING GU |
| | Title: INTRANASAL IMMUNIZATION WITH DETOXIFIED LIPOOLIGOSACCHARIDE FROM NONTYPEABLE HAEMOPHILUS INFLUENZAE OR MORAXELLA CATARRHALIS |
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| Date: October 17, 2003 Page 2 of 2 | |

FILING FEES:

| FEE CALCULATION | | | | |
|--------------------|--------------|--------------|----------------------|---------------|
| FEE TYPE | | FEE CODE | CALCULATION | TOTAL |
| Basic Utility | | 1001 (\$770) | | \$770 |
| Non-English Spec. | | 1053 (\$130) | | \$0 |
| Recordation Fee | | 8021 (\$40) | 0 x 40 = | \$0 |
| Excess Claims > 20 | 44 - 20 = 24 | 1202 (\$18) | 24 x 18 = | \$432 |
| Independent > 3 | 2 - 3 = 0 | 1201 (\$86) | 0 x 86 = | \$0 |
| Multiple Claim | | 1203 (\$290) | | \$290 |
| | | | TOTAL FEE DUE | \$1492 |

(X) A check in the amount of **\$1492** to cover the Total Fee Due is enclosed.

The Commissioner is hereby authorized to charge any additional fees which may be required, now or in the future, or credit any overpayment to Account No. 11-1410.



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 Attorney of Record
 Customer No. 20,995
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MAIL STOP PATENT APPLICATION
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

CERTIFICATE OF MAILING BY "EXPRESS MAIL"

Attorney Docket No. : NIH218.001C1

Applicant(s) : Xin-Xing Gu

For : INTRANASAL IMMUNIZATION WITH
DETOXIFIED LIPOOLIGOSACCHARIDE
FROM NONTYPEABLE HAEMOPHILUS
INFLUENZAE OR MORAXELLA
CATARRHALIS

Attorney : Nancy W. Vensko

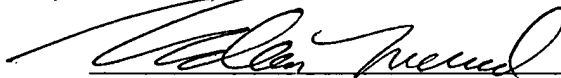
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Mailing Label No. : EV 309082535 US

Date of Deposit : October 17, 2003

I hereby certify that the accompanying

Transmittal letter; specification in 41 pages; 19 sheets of drawings; Check for
Filing Fee; Return Prepaid Postcard

are being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and are addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.


Nelson Merida

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